

PATENT ABSTRACTS OF JAPAN

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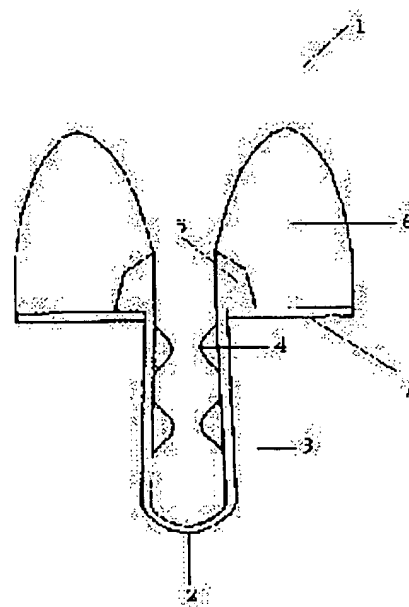
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(54) NOSE MASK

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a nose mask which presents harmful substances contained in contaminated air from being inhaled when fitted in nostrils without spoiling the appearance of the face due to the expansion of nostrils, is hard to be removed by the internal pressure, and also, can be utilized for a medical treatment as well by making the impregnation with a nose medicine or a perfume or the like possible.

SOLUTION: A fitting utensil 2 having an approximate U-shape which is fitted in the nasal cavity by inserting an insertion leg 3 in the vestibule of the nose from the nostrils and pinching the nasal septum. Then, at the distal end of such a fitting utensil 2, a bonding section 5 having a bonding surface on the external side is provided. An elastic body (cushioning material) 6 comprising a material having ventilating property and a favorable moisture-absorbency for liquid is bonded with an adhesive on the bonding surface. Then, on the surface of the elastic body 6, a filter layer 7 with permeability which can filter contaminated air and has a fine mesh is bonded. Thus, the elastic body 6 can be impregnated with a liquid by dropping the liquid. Also, the fitting utensil 2 does not spoil the appearance of the nose. Thus, this nose mask can prevent contaminated air from being inhaled, and makes the evaporation- inhaling of a liquid such as a nose medicine or a perfume to the deep area of the nasal cavity possible.



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CLAIMS

[Claim(s)]

[Claim 1] the back of a right-and-left nostril -- a nose of cam -- inserting -- a nose -- the nose mask characterized by enabling it to insert the filter layer which prepared in the front face of a cushioning material and a cushioning material which prepares jointing which turns an adhesion side outside and has it at the nose of cam of an insertion foot in a nose mask equipped with the insertion foot of the letter of the abbreviation for U characters formed so that a front garden may be equipped, and establishes in an adhesion side into a nasal cavity

[Claim 2] The nose mask according to claim 1 characterized by pasting up with adhesives the sponge layer which is the flexible elastic body which there is permeability, and is the hygroscopic good quality of the material of a liquid, and is easy to get used in a nasal cavity as a cushioning material prepared in the adhesion side of jointing.

[Claim 3] The nose mask according to claim 1 or 2 characterized by having pasted the front face of the elastic body which are the aforementioned permeability and hygroscopicity in the filter layer made from fiber of the fine mesh which can filter the contaminated air in which toxic substances inhaled from a nostril, such as pollen, dust, soot, a bad smell, nitrogen oxide, and dioxin, are contained, and can be made into pure air, permeating if a therapeutic drug is dropped at a filter layer, and enabling it to make it sink into an elastic body.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[The technical field to which invention belongs] The nasal mask concerning this invention inserts the cushioning material which has a filter layer in a nasal cavity, inserts a wearing implement into the vestibulum nasi, and fastens a nasal septum. It is a thing about the nasal mask with which it enabled it to equip in a nasal cavity. the treatment tools which are infiltrated into the cushioning material which prevents inhalation of pollen, a soot dust, etc. by the filter layer into a nasal cavity, trickles a medicine for the nose into a filter layer, and has permeability and hygroscopicity from a nostril, evaporate by respiration, and are attracted -- also carrying out -- it aims at offering the nasal mask used

[0002]

[Description of the Prior Art] Open patent official reports, such as JP,8-71170,A, JP,9-294819,A, and JP,11-137702,A, are published about the mask with which a nostril is equipped in the case of use. The nasal mask opened to these official reports is a wrap thing with a filter about insertion or a nostril in a filter at the entrance of a nostril. These filters are used as a filter medium, in order to pass polluted air and to make it pure. The wearing implement which puts a filter into a nostril is constituted so that the entrance of a nostril or the head of a nose may be equipped. For this reason, a nose swells with the filter inserted in a nostril, or the conventional nasal mask spoils the fine sight of a nose by covering the head of a nose by the applied part for equipping a nostril with a wrap filter etc.

[0003] However, while the nasal mask does not aim only at making pure the air which originally became dirty and inhaling it and aiming at filtering polluted air, when using it as treatment tools of noses, such as pollinosis, it is a certain thing. It is the important element for which to make it not spoil the fine sight of a nose is also needed on use by the wearing implement.

[0004]

[Problem(s) to be Solved by the Invention] The nasal mask with which the nostril is equipped in order to prevent inhalation of the pollen which is floating in air, pollution dust, and a bad smell has the problem of being easy to separate since there is a problem on a fine sight since the hole of a nose is extended outside from the inside, and a wearing implement is in a position near out of the hole of a nose. this invention tends to offer the nasal mask aiming at using also as treatment tools which inhale the chemical for treatment in a nasal cavity for the purpose of preventing inhalation of dust, such as pollen, into a nostril, without extending the hole of a nose greatly and spoiling the fine sight of a face, even if it equips.

[0005]

[Means for Solving the Problem] As a cushioning material which the nasal mask concerning this invention prepares jointing which has an adhesion side outside at the nose of cam of an insertion foot of the wearing implement of the letter of the abbreviation for U characters formed so that it may insert into the right-and-left hole of a nose and a nose may be equipped, and is pasted up on an adhesion side with adhesives It is characterized by pasting up with adhesives the elastic body which there is permeability and consists of the hygroscopic good quality of the material of a liquid, and having pasted up the filter

layer of the fine mesh which can filter the contaminated air inhaled from a nostril and can be made into pure air on the front face of the aforementioned permeability elastic body.

[0006] It is the nasal mask characterized by invention according to claim 1 enabling it to insert the filter layer which prepared in the front face of a cushioning material and a cushioning material which prepares jointing which turns an adhesion side outside and has it at the nose of cam of an insertion foot in a nasal mask equipped with the insertion foot of the letter of the abbreviation for U characters formed so that a nose of cam may be inserted in the inner part of a right-and-left nostril and the vestibulum nasi may be equipped, and is established in an adhesion side into a nasal cavity.

[0007] An embodiment according to claim 2 is a nasal mask according to claim 1 characterized by pasting up with adhesives the sponge layer which is the flexible elastic body which there is permeability, and is the hygroscopic good quality of the material of a liquid, and is easy to get used in a nasal cavity as a cushioning material prepared in the adhesion side of jointing.

[0008] The pollen with which an embodiment according to claim 3 is inhaled from a nostril, dust, soot, The front face of the elastic body which are the aforementioned permeability and hygroscopicity is pasted in the filter layer made from fiber of the fine mesh which can filter the contaminated air in which toxic substances, such as a bad smell, nitrogen oxide, and dioxin, are contained, and can be made into pure air. It is the nasal mask according to claim 1 or 2 characterized by permeating if a therapeutic drug is dropped at a filter layer, and enabling it to make it sink into an elastic body.

[0009]

[Embodiments of the Invention] The technical thought of this invention is materialized by the degree like a publication in the example.

[0010] The wearing implement of a nasal mask is made into the U character-like thing which has the insertion foot which can equip with the good hygroscopic elastic body of permeability in the inner part of a nasal cavity, does not spoil the fine sight of a nostril, but it inserts a U character-like foot in right and left of a nose, puts it into the vestibulum nasi, sandwiches a nasal septum, a nasal mask escapes from it with internal pressure like KUSHAMI, and it is made not to drop out. It manufactures by the synthetic resin which the quality of the material is [synthetic resin] supple and is elastic, and two or more irregularity of a skid is provided in the medial surface so that may insert a U character-like foot in a nasal cavity, it may put into the vestibulum nasi, a nasal septum may be inserted and it may not fall out easily so that it may not stimulate a nasal cavity inside, since a wearing implement is for inserting a cushioning material and a filter layer into a nasal cavity. In order for these to stabilize the nasal mask inserted into the nasal cavity and to raise stability, as for a skid, it is right and left desirable that it is the irregularity of at least two pieces.

[0011] The cushioning material prepared at the nose of cam of a wearing implement is an elastic body located in a nasal cavity at the time of wearing of a nasal mask, and prepares the filter layer which filters the air polluted with dust, pollen, etc. by the front face, and is made pure. While not stimulating permeability and an inner mucosa too much like the gauze chosen as an elastic body as a cushioning material, absorbent cotton, and sponge, it is necessary to be the hygroscopic quality of the material with the flexibility fit for the configuration in a nasal cavity. The filter layer prepared in the front face of the elastic body It has the fine mesh which can be made to be able to pass the contaminated air in which toxic substances, such as bad smells, such as pollen, dust, soot, and decomposition, nitrogen oxide, and dioxin, are contained, can filter, and can be made into pure air. The thing in which the filtration of the aforementioned contaminated air made from fiber with detailed paper, cotton, synthetic resin, etc. is possible needs to be desirable, and there needs to be permeability which will be absorbed if a chemical is dropped further, and can be infiltrated into an elastic body.

[0012] The insertion feet of a wearing implement are attached parts which fix a mask to a nasal septum, in order to form in the shape of abbreviation for U characters and to equip with a mask in the inner part of a nasal cavity, jointing is prepared at the nose of cam, and prepare a cushioning material in an adhesion side, and prepare a filter layer in the front face. The cushioning material prepared in the adhesion side of jointing is a flexible elastic body which gets used in a nasal cavity, and even if it is hygroscopic and trickles a medicine for the nose while making it this not stimulate the inner mucosa of a

nose, it is desirable to make it a sponge layer so that permeability can be held.

[0013] If a nasal mask trickles the liquid of a chemical into a filter layer, it will permeate, will sink into the aforementioned sponge layer, and will enable it to use a liquid also as a tool for treatment which attracts the chemical which equipped the nose with, and which was made to evaporate by temperature and respiration in a nasal cavity. The filter layer prepared on the surface of an elastic body is the filter made from fiber which can filter contaminated air like the above, and if the chemical for treatment is dropped on this filter layer, it also needs to hold the permeability, hygroscopicity, and permeability which permeate the interior and which sink into a sponge layer.

[0014]

[Example] The accompanying drawing is illustrating about the example of this invention. The cross section with which drawing 1 illustrates the busy condition of a nasal mask from the cross section with which the plan of a nasal mask and drawing 4 illustrate the busy condition of a nasal mask from the bottom plan view of a nasal mask, and, as for the half section of a nasal mask and drawing 3, the front view of a nasal mask and drawing 2 illustrate it from the transverse plane of a face, as for drawing 5, and drawing 6 illustrates it from the side of a face is shown, respectively. It explains that it is that with which drawing 5 and drawing 6 are illustrating the busy condition of an example with the outline cross section, a nasal mask inserts a wearing implement in the vestibulum nasi from a nostril, and it is equipped in a nasal cavity. Based on a drawing, an example is explained in detail.

[0015]

[Example 1] In case this example puts this invention in practical use, it shows one example by which invention thought is materialized on the assumption that the thing which can carry, and it enables it to throw away. This nasal mask 1 forms the insertion foot 3 in the wearing implement 2, forms the jointing 5 which turns an adhesion side outside and has it at the nose of cam of-like [U character], forms a cushioning material 6 in an adhesion side, and forms the filter layer 7 on the surface of a cushioning material. The nose of cam of the wearing implement 2 is inserted, a nasal septum 10 is inserted on U character-like insertion foot 3, the insertion foot 3 is put into the vestibulum nasi 9, and it enables it to insert a nasal mask into a nasal cavity 11 from the nostril 8 on either side.

[0016] An elastic body is prepared at the nose of cam of the wearing implement 2 as a cushioning material 6, and this is made into the sponge layer which is the flexible elastic body which is easy to get used to the space which there is permeability, and is the hygroscopic good quality of the material of a liquid, and is formed in the nasal cavity.

[0017] The front face of the elastic body 6 which are the aforementioned permeability and hygroscopicity about the filter layer 7 made from fiber of the fine mesh which can pass a filter, can filter the contaminated air inhaled from a nostril 8, and can be made into pure air is pasted so that permeability and the permeability of waterdrop may not be spoiled, if a therapeutic drug is dropped at the filter layer 7, it will permeate, and it enables it to make it sink into the aforementioned elastic body 6.

[0018] The insertion foot 3 of the wearing implement 2 of the shape of U aforementioned character is inserted in the vestibulum nasi 9 from a nostril 8, and is fixed on both sides of a nasal septum 10 by the inside. The wearing implement 2 has formed the skid 4 in the inside, and since an inner mucosa is hit, a stimulus uses a soft flexible synthetic-resin material, and it is formed. It is possible to insert in the grade which a plug passes over a nasal mask to the back, and KUSHAMI does not generate by adjustment of the length of the insertion foot 3. Therefore, it has considered so that an elastic body 6 may be formed in the adhesion side of the jointing 5 which limits to the grade which a plug passes over the length of the insertion foot 3, and does not become a stimulus of KUSHAMI generating, forms irregularity 4 in the skid for defluxion prevention of a nostril to a mask to the inside of a foot, and exists at a nose of cam as a cushioning material and it may not become a stimulus excessive to the mucosa in a nasal cavity.

[0019]

[About the busy condition of an example 1] It is used a therapeutic drug being dropped at the filter layer 7, and the sponge layer 6 being infiltrated, if it explains based on drawing 5 and drawing 6 and is required because of the treatment of pollinosis, and inserting the insertion foot 3 of the wearing

implement 2 from a nostril 8, equipping with the elastic body 6 of a sponge layer in the inner part of a nasal cavity 11, and stabilizing a mask. In a place with much pollen and dust, in order to purify air, a nasal mask is used. It is also possible to use it, dropping the liquid of the chemical for pollinosis and rhinorrhagia treatment. Two or more nasal masks are put into a container, this is carried at the time of going out, a nasal mask is used if needed, and it discards after use.

[0020]

[Effect of the Invention] Book

[0021] a nostril -- a nose -- the insertion foot of a wearing implement is put in to a front garden, and it is equipped with the nose mask in the inner part of the nasal cavity For this reason, it is equipped with a nose mask in the inner part of a nose by the wearing implement which formed the insertion foot in the shape of U character. Contamination of the human body by pollen, dust, a bad smell, etc. can be prevented without inhaling the pollutant which is floating in air, since it has a filter layer on the front face of the elastic body which is easy to get used into a nasal cavity.

[0022] The problem on the fine sight in which a nose loses its shape does not arise without extending the hole of a nose outside from the inside with the mask with which it equipped, since it has the mask at the nose of cam of the insertion foot of a wearing implement.

[0023] a nose mask -- the hole of a nose -- a nose -- a nasal septum is inserted on insertion foot of the shape of U character into which it was put in the front garden, and since it guesses in the inner part of a nose and is supported by the elastic body prepared at the nose of cam of a foot, a wearing state can be stabilized that it is hard to move a nose mask within a nasal cavity Therefore, the problem of being easy to separate in internal pressure by KUSHAMI from a wearing implement is not produced, without KUSHAMI occurring by the stimulus to which a wearing implement moves by the back of a nasal cavity.

[0024] If a nose mask prevents having a running nose by the hygroscopic elastic body, makes ones, such as a perfume, of liquids trickle and permeate a filter layer for medicines for the nose, such as a therapeutic drug of pollinosis, and ***** of a nosebleed, and deodorization, infiltrates a liquid into an elastic body and it equips with a U character-like wearing implement, it can make it located in the inner part of a nasal cavity, and evaporation suction can be carried out, and it can also make a medicine for the nose or a perfume act effectively. Since the liquid infiltrated into the elastic body is warmed by temperature, is evaporated and can be attracted into a nasal cavity simultaneously with breathing, a nose mask can be used for it also as sanitary goods for effective medical treatment.

[0025] it can use also as an object for the medical treatment for the nose which makes medicines for the nose, such as pollinosis and **** of a nosebleed, inhale, without spoiling the fine sight of a nose, passing a filter, filtering the air polluted with pollen or dust, and breathing pure air according to the effect of this invention, above, -- the nose mask made like is offered

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TECHNICAL FIELD

[The technical field to which invention belongs] the cushioning material in which the nose mask concerning this invention has a filter layer -- the inside of a nasal cavity -- inserting -- a nose -- a wearing implement is inserted into a front garden, a nasal septum is fastened, and it is related with the nose mask with which it enabled it to equip in a nasal cavity the medical treatment tools which are infiltrated into the cushioning material which prevents inhalation of pollen, a soot dust, etc. by the filter layer into a nasal cavity, trickles a medicine for the nose into a filter layer, and has permeability and hygroscopicity from a nostril, evaporate by breathing, and are attracted -- also carrying out -- it aims at offering the nose mask used

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PRIOR ART

[Description of the Prior Art] Open patent official reports, such as JP,8-71170,A, JP,9-294819,A, and JP,11-137702,A, are published about the mask with which a nostril is equipped in the case of use. The nasal mask opened to these official reports is a wrap thing with a filter about insertion or a nostril in a filter at the entrance of a nostril. These filters are used as a filter medium, in order to pass polluted air and to make it pure. The wearing implement which puts a filter into a nostril is constituted so that the entrance of a nostril or the head of a nose may be equipped. For this reason, a nose swells with the filter inserted in a nostril, or the conventional nasal mask spoils the fine sight of a nose by covering the head of a nose by the applied part for equipping a nostril with a wrap filter etc.

[0003] However, while the nasal mask does not aim only at making pure the air which originally became dirty and inhaling it and aiming at filtering polluted air, when using it as treatment tools of noses, such as pollinosis, it is a certain thing. It is the important element for which to make it not spoil the fine sight of a nose is also needed on use by the wearing implement.

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EFFECT OF THE INVENTION

[Effect of the Invention] Book

[0021] The insertion foot of a wearing implement is put in from a nostril to the vestibulum nasi, and it is equipped with the nasal mask in the inner part of the nasal cavity. For this reason, it is equipped with a nasal mask in the inner part of a nose by the wearing implement which formed the insertion foot in the shape of U character. Contamination of the human body by pollen, dust, a bad smell, etc. can be prevented without inhaling the pollutant which is floating in air, since it has a filter layer on the front face of the elastic body which is easy to get used into a nasal cavity.

[0022] The problem on the fine sight in which a nose loses its shape does not arise without extending the hole of a nose outside from the inside with the mask with which it equipped, since it has the mask at the nose of cam of the insertion foot of a wearing implement.

[0023] A nasal mask sandwiches a nasal septum on insertion foot of the shape of U character into which it was put by the vestibulum nasi from the hole of a nose, and since it guesses in the inner part of a nose and is supported by the elastic body prepared at the nose of cam of a foot, it can stabilize a wearing state that it is hard to move a nasal mask within a nasal cavity. Therefore, the problem of being easy to separate in internal pressure by KUSHAMI from a wearing implement is not produced, without KUSHAMI occurring by the stimulus to which a wearing implement moves by the back of a nasal cavity.

[0024] If a nasal mask prevents having a running nose by the hygroscopic elastic body, makes ones, such as a perfume, of liquids trickle and permeate a filter layer for medicines for the nose, such as a therapeutic drug of pollinosis, and a hemostatic agent of rhinorrhagia, and deodorization, infiltrates a liquid into an elastic body and it equips with a U character-like wearing implement, it can make it located in the inner part of a nasal cavity, and evaporation suction can be carried out, and it can also make a medicine for the nose or a perfume act effectively. Since the liquid infiltrated into the elastic body is warmed by temperature, is evaporated and can be attracted into a nasal cavity simultaneously with respiration, a nasal mask can be used for it also as sanitary goods for effective treatment.

[0025] it can use also as an object for the treatment for the nose which makes medicines for the nose, such as pollinosis and hemostasis of rhinorrhagia, inhale, without spoiling the fine sight of a nose, passing a filter, filtering the air polluted with pollen or dust, and breathing pure air according to the effect of this invention, above, -- the nasal mask made like is offered

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TECHNICAL PROBLEM

[Problem(s) to be Solved by the Invention] The nose mask with which the nostril is equipped in order to prevent inhalation of the pollen which is floating in air, pollution dust, and a bad smell has the problem of being easy to separate since there is a problem on a fine sight since the hole of a nose is extended outside from the inside, and a wearing implement is in a position near out of the hole of a nose. this invention tends to offer the nose mask aiming at using also as medical treatment tools which inhale the chemical for medical treatment in a nasal cavity for the purpose of preventing inhalation of dust, such as pollen, into a nostril, without extending the hole of a nose greatly and spoiling the fine sight of a face, even if it equips.

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MEANS

[Means for Solving the Problem] As a cushioning material which prepares jointing which has an adhesion side outside at the nose of cam of an insertion foot of the wearing implement of the letter of the abbreviation for U characters formed so that the nose mask concerning this invention may be inserted into the right-and-left hole of a nose and a nose may be equipped, and is pasted up on an adhesion side with adhesives. It is characterized by pasting up with adhesives the elastic body which there is permeability and consists of the hygroscopic good quality of the material of a liquid, and having pasted up the filter layer of the fine mesh which can filter the contaminated air inhaled from a nostril and can be made into pure air on the front face of the aforementioned permeability elastic body.

[0006] invention according to claim 1 -- the back of a right-and-left nostril -- a nose of cam -- inserting - a nose -- in a nose mask equipped with the insertion foot of the letter of the abbreviation for U characters formed so that a front garden may equip, it is the nose mask characterized by enabling it to insert the filter layer which prepared in the front face of a cushioning material and a cushioning material which prepares jointing which turns an adhesion side outside and has it at the nose of cam of an insertion foot, and establishes in an adhesion side into a nasal cavity

[0007] An embodiment according to claim 2 is a nose mask according to claim 1 characterized by pasting up with adhesives the sponge layer which is the flexible elastic body which there is permeability, and is the hygroscopic good quality of the material of a liquid, and is easy to get used in a nasal cavity as a cushioning material prepared in the adhesion side of jointing.

[0008] The pollen with which an embodiment according to claim 3 is inhaled from a nostril, dust, soot, The front face of the elastic body which are the aforementioned permeability and hygroscopicity is pasted in the filter layer made from fiber of the fine mesh which can filter the contaminated air in which toxic substances, such as a bad smell, nitrogen oxide, and dioxin, are contained, and can be made into pure air. It is the nose mask according to claim 1 or 2 characterized by permeating if a therapeutic drug is dropped at a filter layer, and enabling it to make it sink into an elastic body.

[0009]

[Embodiments of the Invention] The technical thought of this invention is materialized by the degree like a publication in the example.

[0010] the U character-like thing which has the insertion foot on which the wearing implement of a nose mask can equip with the good hygroscopic elastic body of permeability in the inner part of a nasal cavity -- carrying out -- the fine sight of a nostril -- not spoiling -- a U character-like foot -- right and left of a nose -- inserting -- a nose -- it puts into a front garden, a nasal septum is inserted, a nose mask falls out with internal pressure like KUSHAMI, and it is made not to drop out the synthetic resin which the quality of the material is [synthetic resin] supple and is elastic so that it may not stimulate a nasal cavity inside, since a wearing implement is for inserting a cushioning material and a filter layer into a nasal cavity -- manufacturing -- a U character-like foot -- the inside of a nasal cavity -- inserting -- a nose -- two or more irregularity of a skid is provided in the inside side so that it may put into a front garden, a nasal septum may be inserted and it may not fall out easily In order for these to stabilize the nasal mask inserted into the nasal cavity and to raise stability, as for a skid, it is right and left desirable

that it is the irregularity of at least two pieces.

[0011] The cushioning material prepared at the nose of cam of a wearing implement is an elastic body located in a nasal cavity at the time of wearing of a nasal mask, and prepares the filter layer which filters the air polluted with dust, pollen, etc. by the front face, and is made pure. While not stimulating permeability and an inner mucosa too much like the gauze chosen as an elastic body as a cushioning material, absorbent cotton, and sponge, it is necessary to be the hygroscopic quality of the material with the flexibility fit for the configuration in a nasal cavity. The filter layer prepared in the front face of the elastic body It has the fine mesh which can be made to be able to pass the contaminated air in which toxic substances, such as bad smells, such as pollen, dust, soot, and decomposition, nitrogen oxide, and dioxin, are contained, can filter, and can be made into pure air. The thing in which the filtration of the aforementioned contaminated air made from fiber with detailed paper, cotton, synthetic resin, etc. is possible needs to be desirable, and there needs to be permeability which will be absorbed if a chemical is dropped further, and can be infiltrated into an elastic body.

[0012] The insertion feet of a wearing implement are attached parts which fix a mask to a nasal septum, in order to form in the shape of abbreviation for U characters and to equip with a mask in the inner part of a nasal cavity, jointing is prepared at the nose of cam, and prepare a cushioning material in an adhesion side, and prepare a filter layer in the front face. The cushioning material prepared in the adhesion side of jointing is a flexible elastic body which gets used in a nasal cavity, and even if it is hygroscopic and trickles a medicine for the nose while making it this not stimulate the inner mucosa of a nose, it is desirable to make it a sponge layer so that permeability can be held.

[0013] If a nasal mask trickles the liquid of a chemical into a filter layer, it will permeate, will sink into the aforementioned sponge layer, and will enable it to use a liquid also as a tool for treatment which attracts the chemical which equipped the nose with, and which was made to evaporate by temperature and respiration in a nasal cavity. The filter layer prepared on the surface of an elastic body is the filter made from fiber which can filter contaminated air like the above, and if the chemical for treatment is dropped on this filter layer, it also needs to hold the permeability, hygroscopicity, and permeability which permeate the interior and which sink into a sponge layer.

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EXAMPLE

[Example] The accompanying drawing is illustrating about the example of this invention. The cross section with which drawing 1 illustrates the busy condition of a nasal mask from the cross section with which the plan of a nasal mask and drawing 4 illustrate the busy condition of a nasal mask from the bottom plan view of a nasal mask, and, as for the half section of a nasal mask and drawing 3, the front view of a nasal mask and drawing 2 illustrate it from the transverse plane of a face, as for drawing 5, and drawing 6 illustrates it from the side of a face is shown, respectively. It explains that it is that with which drawing 5 and drawing 6 are illustrating the busy condition of an example with the outline cross section, a nasal mask inserts a wearing implement in the vestibulum nasi from a nostril, and it is equipped in a nasal cavity. Based on a drawing, an example is explained in detail.

[0015]

[Example 1] In case this example puts this invention in practical use, it shows one example by which invention thought is materialized on the assumption that the thing which can carry, and it enables it to throw away. This nasal mask 1 forms the insertion foot 3 in the wearing implement 2, forms the jointing 5 which turns an adhesion side outside and has it at the nose of cam of-like [U character], forms a cushioning material 6 in an adhesion side, and forms the filter layer 7 on the surface of a cushioning material. The nose of cam of the wearing implement 2 is inserted, a nasal septum 10 is inserted on U character-like insertion foot 3, the insertion foot 3 is put into the vestibulum nasi 9, and it enables it to insert a nasal mask into a nasal cavity 11 from the nostril 8 on either side.

[0016] An elastic body is prepared at the nose of cam of the wearing implement 2 as a cushioning material 6, and this is made into the sponge layer which is the flexible elastic body which is easy to get used to the space which there is permeability, and is the hygroscopic good quality of the material of a liquid, and is formed in the nasal cavity.

[0017] The front face of the elastic body 6 which are the aforementioned permeability and hygroscopicity about the filter layer 7 made from fiber of the fine mesh which can pass a filter, can filter the contaminated air inhaled from a nostril 8, and can be made into pure air is pasted so that permeability and the permeability of waterdrop may not be spoiled, if a therapeutic drug is dropped at the filter layer 7, it will permeate, and it enables it to make it sink into the aforementioned elastic body 6.

[0018] The insertion foot 3 of the wearing implement 2 of the shape of U aforementioned character is inserted in the vestibulum nasi 9 from a nostril 8, and is fixed on both sides of a nasal septum 10 by the inside. The wearing implement 2 has formed the skid 4 in the inside, and since an inner mucosa is hit, a stimulus uses a soft flexible synthetic-resin material, and it is formed. It is possible to insert in the grade which a plug passes over a nasal mask to the back, and KUSHAMI does not generate by adjustment of the length of the insertion foot 3. Therefore, it has considered so that an elastic body 6 may be formed in the adhesion side of the jointing 5 which limits to the grade which a plug passes over the length of the insertion foot 3, and does not become a stimulus of KUSHAMI generating, forms irregularity 4 in the skid for defluxion prevention of a nostril to a mask to the inside of a foot, and exists at a nose of cam as a cushioning material and it may not become a stimulus excessive to the mucosa in a nasal cavity.

[0019]

[About the busy condition of an example 1] It is used a therapeutic drug being dropped at the filter layer 7, and the sponge layer 6 being infiltrated, if it explains based on drawing 5 and drawing 6 and is required because of the treatment of pollinosis, and inserting the insertion foot 3 of the wearing implement 2 from a nostril 8, equipping with the elastic body 6 of a sponge layer in the inner part of a nasal cavity 11, and stabilizing a mask. In a place with much pollen and dust, in order to purify air, a nasal mask is used. It is also possible to use it, dropping the liquid of the chemical for pollinosis and rhinorrhagia treatment. Two or more nasal masks are put into a container, this is carried at the time of going out, a nasal mask is used if needed, and it discards after use.

[Translation done.]

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DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] Front view of a nasal mask

[Drawing 2] The cross section of a nasal mask (only one side is shown)

[Drawing 3] The plan of a nasal mask

[Drawing 4] The bottom plan view of a nasal mask

[Drawing 5] The cross section which illustrates the busy condition of a nasal mask from the transverse plane of a face

[Drawing 6] The cross section which illustrates the busy condition of a nasal mask from the side of a face

[Description of Notations]

1 ... a nasal mask

2 ... the wearing implement of the shape of U character which equips a nostril and uses a nasal mask

A 3...U character-like insertion foot

4 ... the irregularity of a skid

5 ... jointing of permeability and a hygroscopic elastic body

6 ... permeability and hygroscopicity -- a **** elastic body (cushioning material)

7 ... a filter layer

8 ... a nostril

9 ... the vestibulum nasi

10 ... a nasal septum

11 ... a nasal cavity

[Translation done.]

* NOTICES *

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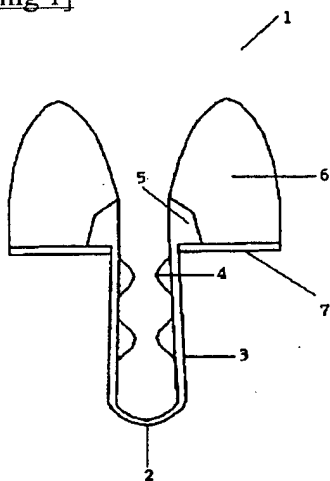
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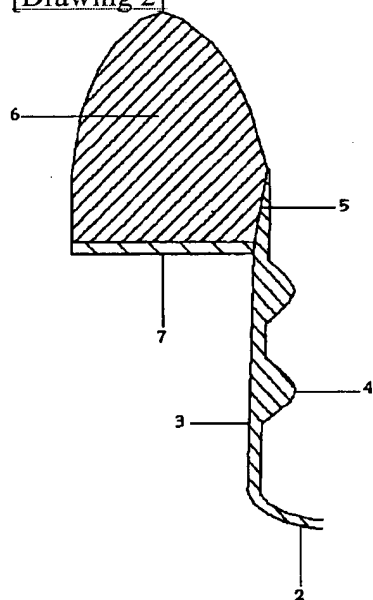
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DRAWINGS

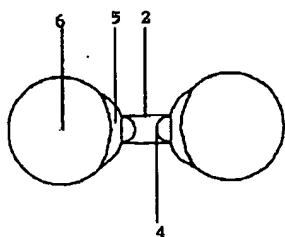
[Drawing 1]



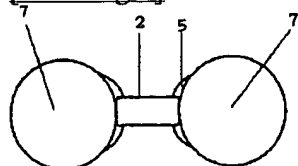
[Drawing 2]



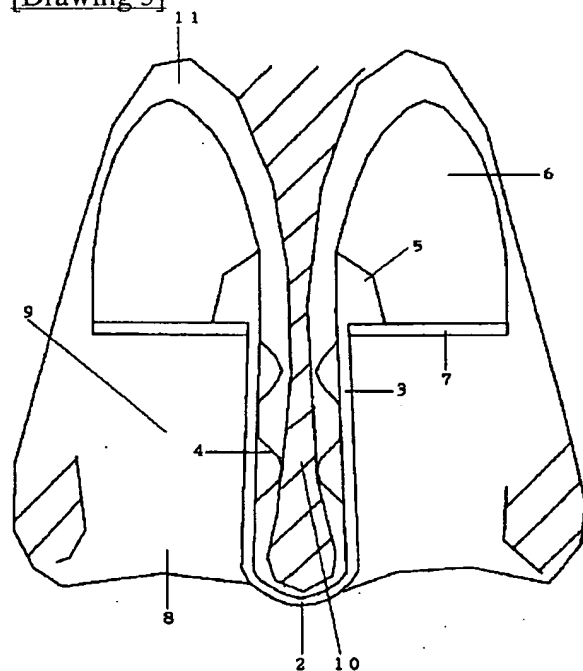
[Drawing 3]



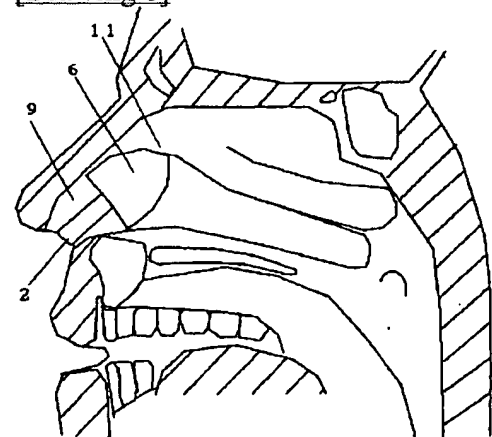
[Drawing 4]



[Drawing 5]



[Drawing 6]



[Translation done.]